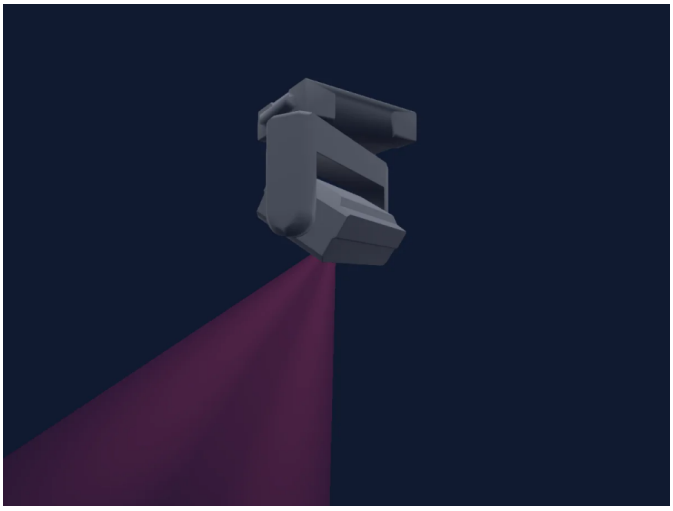
Robe Lighting

Robin WTF



Manufacturer	**Robe Lighting**
Type	**Blinder**
DMX modes	**5**
DMX footprint	**32, 44, 64, 95, 129 channels**
Beam angle	**13-97°**
Pan range	**540°**
Tilt range	**360°**
Heads / cells	**4**
Size (W × H × D)	**470 × 167 × 260 mm**
GDTF fixture type	**64BB109A-7EC0-49F2-BC60-AA...**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Dimmer · Pixel control · Pan and tilt · Movement speed

DMX modes

Mode 1-Simple Wash	32 ch
Mode 2-Enhanced wash	44 ch
Mode 3-Effect mode	64 ch
Mode 4-Pixel mode	95 ch
Mode 5-full mode	129 ch

Mode 1-Simple Wash

32 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Pan Rotate	0	0–0 Range 540Deg shortcut Off 1–1 Range 360Deg shortcut On 2–127 No function (Range 540Deg shortcut Off) 128–188 Forwards - Fast 189–189 Forwards - Slow 190–193 No rotation middle 194–254 Backwards - Slow 255–255 Backwards - Fast
6	Tilt Rotate	0	0–0 Range 540Deg shortcut Off 1–1 Range 360Deg shortcut On 2–127 No function (range 540Deg shortcut Off) 128–188 Forwards - Fast 189–189 Forwards - Slow 190–193 No rotation middle 194–254 Backwards - Slow 255–255 Backwards - Fast
7	Control1	0	

Mode 1-Simple Wash (continued)

Ch	Function	Default	DMX values
8	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset Red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Filter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Filter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 1-Simple Wash (continued)

Ch	Function	Default	DMX values
9	Red	255	
10	Red Fine	255	Fine byte of Red
11	Green	255	
12	Green Fine	255	Fine byte of Green
13	Blue	255	
14	Blue Fine	255	Fine byte of Blue
15	White	255	
16	White Fine	255	Fine byte of White
17	C TO	100	0–39 10000K 40–99 8000K 100–149 5600K 150–189 4200K 190–214 3200K 215–254 2700K 255–255 1800K
18	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
19	Zoom Fine	0	Fine byte of Zoom
20	Dimmer	0	0–254 Closed 255–255 Open
21	Dimmer Fine	0	Fine byte of Dimmer
22	Strobe Duration	0	
23	Strobe Rate	0	0–5 No flash 6–255 Flash frequency from min to max
24	Special Effects	0	0–1 No function 2–5 Permanent lighting 6–42 Ramp up 43–85 Ramp down 86–128 Ramp up/down 129–171 Random strobe 172–181 Lightning 182–191 Spikes 192–199 Reserved 200–201 No function 202–203 Permanent lighting - discharge 204–205 Ramp up - discharge 206–207 Ramp down - discharge 208–209 Ramp up/down - discharge 210–211 Reserved 212–213 Lighting - discharge 214–215 Spikes - discharge 216–255 Reserved
25	C TO	0	0–0 6500K 1–99 3200K 100–149 2650K 150–189 2370K 190–214 2150K 215–254 2000K 255–255 1800K
26	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
27	Zoom Fine	0	Fine byte of Zoom
28	Dimmer	0	0–254 Closed 255–255 Open
29	Dimmer Fine	0	Fine byte of Dimmer

Mode 1-Simple Wash (continued)

Ch	Function	Default	DMX values
30	Strobe Duration	0	
31	Strobe Rate	0	0–5 No flash 6–255 Flash frequency from min to max
32	Special Effects	0	0–1 No function 2–5 Permanent lighting 6–42 Ramp up 43–85 Ramp down 86–128 Ramp up/down 129–171 Random strobe 172–181 Lightning 182–191 Spikes 192–193 Decay 194–195 Blinder effect-fast 196–197 Blinder effect-moderate 198–199 Blinder effect-slow 200–201 No function 202–203 Permanent lighting - discharge 204–205 Ramp up - discharge 206–207 Ramp down - discharge 208–209 Ramp up/down - discharge 210–211 Reserved 212–213 Lighting - discharge 214–215 Spikes - discharge 216–255 Reserved

Mode 2-Enhanced wash

44 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Pan Rotate	0	0–0 Range 540Deg shortcut Off 1–1 Range 360Deg shortcut On 2–127 No function (Range 540Deg shortcut Off) 128–188 Forwards - Fast 189–189 Forwards - Slow 190–193 No rotation middle 194–254 Backwards - Slow 255–255 Backwards - Fast
6	Tilt Rotate	0	0–0 Range 540Deg shortcut Off 1–1 Range 360Deg shortcut On 2–127 No function (range 540Deg shortcut Off) 128–188 Forwards - Fast 189–189 Forwards - Slow 190–193 No rotation middle 194–254 Backwards - Slow 255–255 Backwards - Fast
7	Position MSpeed	0	0–0 Standard mode 1–1 max speed 2–254 max to min 255–255 min speed
8	Control1	0	

Mode 2-Enhanced wash (continued)

Ch	Function	Default	DMX values
9	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 300 Hz 10–14 600 Hz 15–19 1200 Hz 20–24 2400 Hz 25–29 High 30–255 NoFeature
10	L EDFrequency Adjust	128	

Mode 2-Enhanced wash (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset Red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Filter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Filter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 2-Enhanced wash (continued)

Ch	Function	Default	DMX values
12	Red	255	
13	Red Fine	255	Fine byte of Red
14	Green	255	
15	Green Fine	255	Fine byte of Green
16	Blue	255	
17	Blue Fine	255	Fine byte of Blue
18	White	255	
19	White Fine	255	Fine byte of White
20	C TO	100	0–39 10000K 40–99 8000K 100–149 5600K 150–189 4200K 190–214 3200K 215–254 2700K 255–255 1800K
21	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 129–255 Uncorrected white - > Plus green
22	Color Mix Mode	45	0–9 Global colors (Global has priority) 10–19 Maximum mode (highest values have priority) 20–29 Minimum mode (lowest values have priority) 30–39 Multiply mode (multiply Global and Pixel) 40–49 Addition mode (Global+ Pixel) 50–59 Subtraction mode (Global- Pixel) 60–69 Inverted Subtraction mode (Pixel- Global) 70–127 Raw DMX 128–128 Global colours only (Global has priority) 129–254 Crossfade (crossfade between Global and Pixel) 255–255 Pixel colours(Pixel has priority)
23	Pattern Selection	0	
24	Pattern Speed Rotation	128	0–0 No movement 1–127 Movement Fast to slow Left to right 128–128 No movement 129–255 Movement Slow to Fast Right to Left
25	Pattern Crossfade	255	0–0 0% Pattern 1–254 Crossfade between color and pattern 255–255 100% pattern
26	Color Macro1	0	
27	Dimmer	255	0–254 Closed 255–255 Open
28	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
29	Zoom Fine	0	Fine byte of Zoom
30	Dimmer	0	0–254 Closed 255–255 Open
31	Dimmer Fine	0	Fine byte of Dimmer
32	Strobe Duration	0	
33	Strobe Rate	0	0–5 No flash 6–255 Flash frequency from min to max

Mode 2-Enhanced wash (continued)

Ch	Function	Default	DMX values
34	Special Effects	0	0–1 No function 2–5 Permanent lighting 6–42 Ramp up 43–85 Ramp down 86–128 Ramp up/down 129–171 Random strobe 172–181 Lightning 182–191 Spikes 192–199 Reserved 200–201 No function 202–203 Permanent lighting - discharge 204–205 Ramp up - discharge 206–207 Ramp down - discharge 208–209 Ramp up/down - discharge 210–211 Reserved 212–213 Lighting - discharge 214–215 Spikes - discharge 216–255 Reserved
35	C TO	0	0–0 6500K 1–99 3200K 100–149 2650K 150–189 2370K 190–214 2150K 215–254 2000K 255–255 1800K
36	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
37	Zoom Fine	0	Fine byte of Zoom
38	Pattern Selection	0	
39	Pattern Speed Rotation	0	0–0 No movement 1–127 Movement Fast to slow Left to right 128–128 No movement 129–255 Movement Slow to Fast Right to Left
40	Dimmer	0	0–254 Closed 255–255 Open
41	Dimmer Fine	0	Fine byte of Dimmer
42	Strobe Duration	0	
43	Strobe Rate	0	0–5 No flash 6–255 Flash frequency from min to max

Mode 2-Enhanced wash (continued)

Ch	Function	Default	DMX values
44	Special Effects	0	0–1 No function 2–5 Permanent lighting 6–42 Ramp up 43–85 Ramp down 86–128 Ramp up/down 129–171 Random strobe 172–181 Lightning 182–191 Spikes 192–193 Decay 194–195 Blinder effect-fast 196–197 Blinder effect-moderate 198–199 Blinder effect-slow 200–201 No function 202–203 Permanent lighting - discharge 204–205 Ramp up - discharge 206–207 Ramp down - discharge 208–209 Ramp up/down - discharge 210–211 Reserved 212–213 Lighting - discharge 214–215 Spikes - discharge 216–255 Reserved

Mode 3-Effect mode

64 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Pan Rotate	0	0–0 Range 540Deg shortcut Off 1–1 Range 360Deg shortcut On 2–127 No function (Range 540Deg shortcut Off) 128–188 Forwards - Fast 189–189 Forwards - Slow 190–193 No rotation middle 194–254 Backwards - Slow 255–255 Backwards - Fast
6	Tilt Rotate	0	0–0 Range 540Deg shortcut Off 1–1 Range 360Deg shortcut On 2–127 No function (range 540Deg shortcut Off) 128–188 Forwards - Fast 189–189 Forwards - Slow 190–193 No rotation middle 194–254 Backwards - Slow 255–255 Backwards - Fast
7	Position MSpeed	0	0–0 Standard mode 1–1 max speed 2–254 max to min 255–255 min speed
8	Control1	0	
9	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 300 Hz 10–14 600 Hz 15–19 1200 Hz 20–24 2400 Hz 25–29 High 30–255 NoFeature
10	L EDFrequency Adjust	128	

Mode 3-Effect mode (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset Red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Filter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Filter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 3-Effect mode (continued)

Ch	Function	Default	DMX values
12	Red	255	
13	Red Fine	255	Fine byte of Red
14	Green	255	
15	Green Fine	255	Fine byte of Green
16	Blue	255	
17	Blue Fine	255	Fine byte of Blue
18	White	255	
19	White Fine	255	Fine byte of White
20	Red	255	
21	Red Fine	255	Fine byte of Red
22	Green	255	
23	Green Fine	255	Fine byte of Green
24	Blue	255	
25	Blue Fine	255	Fine byte of Blue
26	White	255	
27	White Fine	255	Fine byte of White
28	Red	0	
29	Red Fine	0	Fine byte of Red
30	Green	0	
31	Green Fine	0	Fine byte of Green
32	Blue	0	
33	Blue Fine	0	Fine byte of Blue
34	White	0	
35	White Fine	0	Fine byte of White
36	C TO	100	0–39 10000K 40–99 8000K 100–149 5600K 150–189 4200K 190–214 3200K 215–254 2700K 255–255 1800K
37	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 129–255 Uncorrected white - > Plus green
38	Color Mix Mode	45	0–9 Global colors (Global has priority) 10–19 Maximum mode (highest values have priority) 20–29 Minimum mode (lowest values have priority) 30–39 Multiply mode (multiply Global and Pixel) 40–49 Addition mode (Global+ Pixel) 50–59 Subtraction mode (Global- Pixel) 60–69 Inverted Subtraction mode (Pixel- Global) 70–127 Raw DMX 128–128 Global colours only (Global has priority) 129–254 Crossfade (crossfade between Global and Pixel) 255–255 Pixel colours(Pixel has priority)
39	Pattern Selection	0	
40	Pattern Speed Rotation	128	0–0 No movement 1–127 Movement Fast to slow Left to right 128–128 No movement 129–255 Movement Slow to Fast Right to Left

Mode 3-Effect mode (continued)

Ch	Function	Default	DMX values
41	Pattern Crossfade	255	0–0 0% Pattern 1–254 Crossfade between color and pattern 255–255 100% pattern
42	Color Macro1	0	
43	Dimmer	255	0–254 Closed 255–255 Open
44	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
45	Zoom Fine	0	Fine byte of Zoom
46	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
47	Zoom Fine	0	Fine byte of Zoom
48	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
49	Zoom Fine	0	Fine byte of Zoom
50	Dimmer	0	0–254 Closed 255–255 Open
51	Dimmer Fine	0	Fine byte of Dimmer
52	Strobe Duration	0	
53	Strobe Rate	0	0–5 No flash 6–255 Flash frequency from min to max
54	Special Effects	0	0–1 No function 2–5 Permanent lighting 6–42 Ramp up 43–85 Ramp down 86–128 Ramp up/down 129–171 Random strobe 172–181 Lightning 182–191 Spikes 192–199 Reserved 200–201 No function 202–203 Permanent lighting - discharge 204–205 Ramp up - discharge 206–207 Ramp down - discharge 208–209 Ramp up/down - discharge 210–211 Reserved 212–213 Lighting - discharge 214–215 Spikes - discharge 216–255 Reserved
55	C TO	0	0–0 6500K 1–99 3200K 100–149 2650K 150–189 2370K 190–214 2150K 215–254 2000K 255–255 1800K
56	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
57	Zoom Fine	0	Fine byte of Zoom
58	Pattern Selection	0	
59	Pattern Speed Rotation	0	0–0 No movement 1–127 Movement Fast to slow Left to right 128–128 No movement 129–255 Movement Slow to Fast Right to Left

Mode 3-Effect mode (continued)

Ch	Function	Default	DMX values
60	Dimmer	0	0–254 Closed 255–255 Open
61	Dimmer Fine	0	Fine byte of Dimmer
62	Strobe Duration	0	
63	Strobe Rate	0	0–5 No flash 6–255 Flash frequency from min to max
64	Special Effects	0	0–1 No function 2–5 Permanent lighting 6–42 Ramp up 43–85 Ramp down 86–128 Ramp up/down 129–171 Random strobe 172–181 Lightning 182–191 Spikes 192–193 Decay 194–195 Blinder effect-fast 196–197 Blinder effect-moderate 198–199 Blinder effect-slow 200–201 No function 202–203 Permanent lighting - discharge 204–205 Ramp up - discharge 206–207 Ramp down - discharge 208–209 Ramp up/down - discharge 210–211 Reserved 212–213 Lighting - discharge 214–215 Spikes - discharge 216–255 Reserved

Mode 4-Pixel mode

95 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Pan Rotate	0	
6	Tilt Rotate	0	
7	Position MSpeed	0	
8	Control1	0	
9	L EDFrequency	10	
10	L EDFrequency Adjust	128	
11	C TO	100	
12	Tint	128	
13	Color Mix Mode	45	
14	Zoom	128	
15	Zoom Fine	0	Fine byte of Zoom
16	Zoom	128	
17	Zoom Fine	0	Fine byte of Zoom
18	Dimmer	0	
19	Dimmer Fine	0	Fine byte of Dimmer
20	Strobe Duration	0	
21	Strobe Rate	0	

Mode 4-Pixel mode (continued)

Ch	Function	Default	DMX values
22	Special Effects	0	
23	C TO	0	
24	Zoom	128	
25	Zoom Fine	0	Fine byte of Zoom
26	Dimmer	0	
27	Dimmer Fine	0	Fine byte of Dimmer
28	Strobe Duration	0	
29	Strobe Rate	0	
30	Special Effects	0	
31	Red	255	
32	Green	255	
33	Blue	255	
34	White	255	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	

Mode 4-Pixel mode (continued)

Ch	Function	Default	DMX values
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	
85	Reserved 85	0	
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	
89	Reserved 89	0	
90	Reserved 90	0	
91	Reserved 91	0	
92	Reserved 92	0	
93	Reserved 93	0	
94	Reserved 94	0	
95	White	255	

Mode 5-full mode

129 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Pan Rotate	0	
6	Tilt Rotate	0	
7	Position MSpeed	0	
8	Control1	0	
9	L EDFrequency	10	
10	L EDFrequency Adjust	128	

Mode 5-full mode (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset Red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Filter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Filter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 5-full mode (continued)

Ch	Function	Default	DMX values
12	Red	0	
13	Red Fine	0	Fine byte of Red
14	Green	0	
15	Green Fine	0	Fine byte of Green
16	Blue	0	
17	Blue Fine	0	Fine byte of Blue
18	White	0	
19	White Fine	0	Fine byte of White
20	Red	0	
21	Red Fine	0	Fine byte of Red
22	Green	0	
23	Green Fine	0	Fine byte of Green
24	Blue	0	
25	Blue Fine	0	Fine byte of Blue
26	White	0	
27	White Fine	0	Fine byte of White
28	Red	0	
29	Red Fine	0	Fine byte of Red
30	Green	0	
31	Green Fine	0	Fine byte of Green
32	Blue	0	
33	Blue Fine	0	Fine byte of Blue
34	White	0	
35	White Fine	0	Fine byte of White
36	C TO	100	
37	Tint	128	
38	Color Mix Mode	45	
39	Pattern Selection	0	
40	Pattern Speed Rotation	128	
41	Pattern Crossfade	255	
42	Color Macro1	0	
43	Dimmer	255	
44	Zoom	128	
45	Zoom Fine	0	Fine byte of Zoom
46	Zoom	128	
47	Zoom Fine	0	Fine byte of Zoom
48	Zoom	128	
49	Zoom Fine	0	Fine byte of Zoom
50	Dimmer	0	
51	Dimmer Fine	0	Fine byte of Dimmer
52	Strobe Duration	0	
53	Strobe Rate	0	
54	Special Effects	0	
55	C TO	0	
56	Zoom	128	

Mode 5-full mode (continued)

Ch	Function	Default	DMX values
57	Zoom Fine	0	Fine byte of Zoom
58	Pattern Selection	0	
59	Pattern Speed Rotation	0	
60	Dimmer	0	
61	Dimmer Fine	0	Fine byte of Dimmer
62	Strobe Duration	0	
63	Strobe Rate	0	
64	Special Effects	0	
65	Red	255	
66	Green	255	
67	Blue	255	
68	White	255	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	
85	Reserved 85	0	
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	
89	Reserved 89	0	
90	Reserved 90	0	
91	Reserved 91	0	
92	Reserved 92	0	
93	Reserved 93	0	
94	Reserved 94	0	
95	Reserved 95	0	
96	Reserved 96	0	
97	Reserved 97	0	
98	Reserved 98	0	
99	Reserved 99	0	
100	Reserved 100	0	
101	Reserved 101	0	

Mode 5-full mode (continued)

Ch	Function	Default	DMX values
102	Reserved 102	0	
103	Reserved 103	0	
104	Reserved 104	0	
105	Reserved 105	0	
106	Reserved 106	0	
107	Reserved 107	0	
108	Reserved 108	0	
109	Reserved 109	0	
110	Reserved 110	0	
111	Reserved 111	0	
112	Reserved 112	0	
113	Reserved 113	0	
114	Reserved 114	0	
115	Reserved 115	0	
116	Reserved 116	0	
117	Reserved 117	0	
118	Reserved 118	0	
119	Reserved 119	0	
120	Reserved 120	0	
121	Reserved 121	0	
122	Reserved 122	0	
123	Reserved 123	0	
124	Reserved 124	0	
125	Reserved 125	0	
126	Reserved 126	0	
127	Reserved 127	0	
128	Reserved 128	0	
129	White	255	